

WHAT IS CLAIMED IS:

1. A resinous tube comprising:  
at least one first cylindrical resin layer (A) including at least one resin selected from the group consisting of polybutylene terephthalate (PBT), polybutylene naphthalate (PBN), polyethylene terephthalate (PET) and polyethylene naphthalate (PEN); and  
at least one second cylindrical resin layer (B) formed generally coaxial with the at least one first cylindrical layer and including at least one of polybutylene terephthalate (PBT) copolymer and polybutylene naphthalate (PBN) copolymer,  
wherein a cylindrical resin layer forming an innermost layer of the resinous tube is electrically conductive.
2. A resinous tube as claimed in Claim 1, wherein the conductive cylindrical resin layer forming the innermost layer has a volume resistivity value of not higher than  $10^6 \Omega \cdot \text{cm}$ .
3. A resinous tube as claimed in Claim 1, wherein the conductive cylindrical resin layer forming the innermost layer has a thickness within a range of from 3 to 30 % of a total thickness of all the layers of the resinous tube.
4. A resinous tube as claimed in Claim 1, wherein the at least one first resin layer (A) has a total thickness within a range of from 3 to 70 % of a total thickness of all the layers of the resinous tube.
5. A resinous tube as claimed in Claim 1, wherein the at least one second resin layer (B) further includes at least one of PBT and PBN.
6. A resinous tube as claimed in Claim 1, wherein the at least one second cylindrical resin layer (B) includes a block copolymer which

contains at least one of PBT and PBN as a hard segment, and at least one of polytetramethylene glycol and polycaprolactone as a soft segment.

7. A resinous tube as claimed in Claim 1, wherein the at least one  
5 second cylindrical resin layer (B) includes at least one of random PBT  
copolymer and random PBN copolymer, constituted of a copolymer  
polyester which includes an acid component and glycol component, the  
acid component including at least one selected from the group consisting  
of terephthalic acid, ester-formable derivative of terephthalic acid,  
10 naphthalenedicarboxylic acid, ester-formable derivative of  
naphthalenedicarboxylic acid, and at least one of hydrogenated dimer  
acid and ester-formable derivative of hydrogenated dimer acid, the glycol  
component including 1, 4-butanediol.

15 8. A resinous tube as claimed in Claim 1, wherein the PBT  
copolymer is a copolymer polyester prepared by copolymerization of  
polytetramethylene glycol and a copolymer polyester which includes an  
acid component and glycol component, the acid component including at  
least one selected from the group consisting of terephthalic acid,  
20 ester-formable derivative of terephthalic acid, naphthalenedicarboxylic  
acid, ester-formable derivative of naphthalenedicarboxylic acid, and at  
least one of hydrogenated dimer acid and ester-formable derivative of  
hydrogenated dimer acid, the glycol component including 1,  
4-butanediol.

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9. A resinous tube as claimed in Claim 1, wherein the conductive  
cylindrical resin layer forming the innermost layer is formed of a resin  
which is constituted of a copolymer polyester including an acid  
component and glycol component, the acid component including at least  
30 one selected from the group consisting of terephthalic acid,  
ester-formable derivative of terephthalic acid, naphthalenedicarboxylic

acid, ester-formable derivative of naphthalenedicarboxylic acid, and at least one of hydrogenated dimer acid and ester-formable derivative of hydrogenated dimer acid, the glycol component including 1, 4-butanediol.

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10. A resinous tube as claimed in Claim 1, wherein the conductive resin layer forming the innermost layer is formed of a resin including polybutylene terephthalate (PBT) in which ethylene-propylene rubber (EPR) is dispersed, the resin having a volume resistivity value of not  
10 higher than  $10^6 \Omega \cdot \text{cm}$ .

11. A resinous tube as claimed in Claim 10, wherein the ethylene propylene rubber has a particle size of not larger than  $1 \mu\text{m}$ .

15 12. A resinous tube as claimed in Claim 1, wherein the conductive cylindrical resin layer forms part of the at least one first cylindrical resin layer and the at least one second cylindrical resin layer.

13. A resinous tube as claimed in Claim 1, wherein the conductive  
20 resin layer is independent from the at least one first cylindrical resin layer and the at least one second cylindrical resin layer.

14. A tube for piping in a fuel system of a vehicle, comprising:  
at least one first cylindrical resin layer (A) including at least one  
25 resin selected from the group consisting of polybutylene terephthalate (PBT), polybutylene naphthalate (PBN), polyethylene terephthalate (PET) and polyethylene naphthalate (PEN); and  
at least one second cylindrical resin layer (B) formed generally coaxial with the at least one first cylindrical layer and including at least  
30 one of polybutylene terephthalate (PBT) copolymer and polybutylene naphthalate (PBN) copolymer,

wherein a cylindrical resin layer forming an innermost layer of the resinous tube is electrically conductive, fuel being in direct contact with an inner surface of the innermost layer.